

**Sistem Pakar Deteksi Rawan Stunting Pada Balita Menggunakan Metode
Certainty Factor.** (*Expert System for Stunting Prone Detection in Toddlers Using
Certainty Factor Methods*)
Pembimbing (1 orang).

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ABSTRACT

Stunting is a condition in which children under five are underweight for age, 15 million deaths of children under five are caused by stunting, stunting problems also affect the growth of children under five which will affect human resources. If stunting is not detected early at the age of less than 24 months, it will experience delays in improving nutrition in the future. In addition to low height, stunting is also caused by various interrelated factors, not only nutritional intake and poor nutrition in infants and mothers. These problems can be overcome by the existence of a system that can detect early stunting prone based on the factors that cause stunting, this study uses the certainty factor method to calculate the user certainty value combined with the case based reasoning method to find the similarity value of new cases with cases stored in the case base, where later this system can help an expert in early detection of stunting prone or stunting safe based on factors experienced by the patient. From the results of testing the level of accuracy of the system, it is known that the level of accuracy is 96%. This expert system application can be used to assist in early detection of stunting prone or stunting safety based on the factors causing stunting.

Keywords : *expert system, stunting, certainty factor*